Post Production Notes

Changes Made to Design

- The XML validation code is not currently implemented. When the existing, functional code was integrated, it was discovered that the libraries used were not available in Android, despite being present in the Android documentation.
- The addition and removal of ingredients had to be changed from the initial design, because of an unforeseen formatting issue in Android.
- The entirety of Fridge needed to be added to the front end implementation, this was due to the fact that it could not be tested well without a more robust temporary storage format.
- In filter, each Ingredient is matched only by its name. When matching the entire Ingredient was implemented, it was found in a unit test to mess up with the differing units. (teaspoon, tablespoon, etc.) This problem was determined to complex to fix in the time period.

Difficulties

- Integration from Java to Android Studio was difficult. Libraries implemented in Java did not exist in Android Studio and had to be rewritten.
- Understanding Android class structures and application development.
- Understanding how current Android app functions work to be able to override them effectively.

Lessons Learned

- Good design is key to success, especially in teams.
- GitHub is important to use.
- Integration from eclipse to Android Studio is not easy.
- Android Studio documentation lies and should always be cross-referenced.

Work Distribution and Descriptions

- Brandon Jackson (25%): Wrote back-end objects, XML writer, XML schemas, and XML validation code.

- Rebecca Schofield (25%): Wrote back-end objects, filtering algorithms and XML reader.

- William Bracho Blok (25%): Front-end testing and some display formatting.

- Alex Huddleston (25%): The rest of the front-end development.